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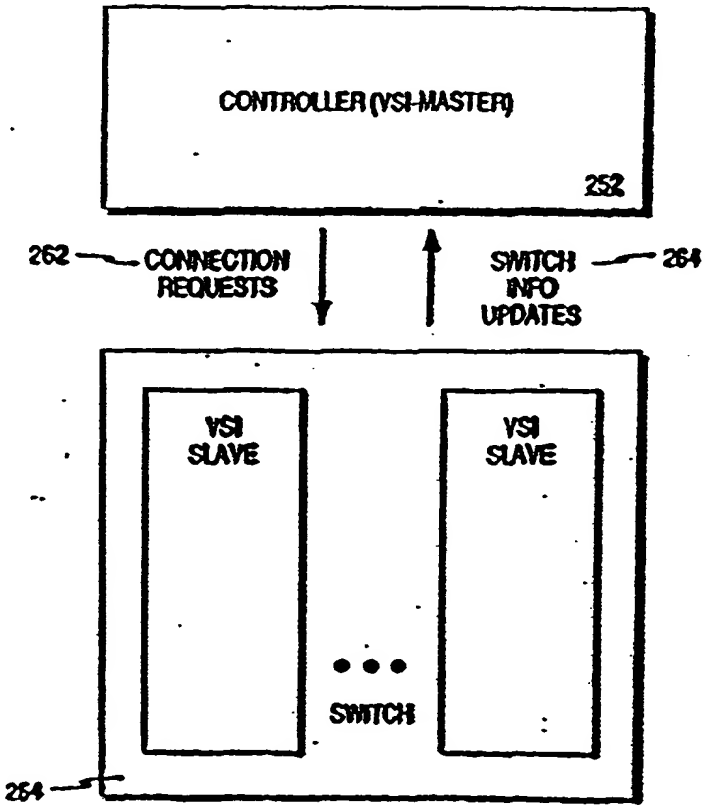
Title: A CONNECTION CONTROL INTERFACE FOR MULTISERVICE SWITCHES

Abstract

A connection control interface for hes in a network is provided. The ection control interface allows the mulice switch to provide a number of h resource partitions to a number of indent controllers coupled to the switch. switch resource partitions comprise a er of subsets of switch resources that s a number of independent subset nets of a physical network. The connecccontrol interface allows the independcontrollers to control the connections s switch using the number of switch rce partitions. The independent conrs each use one of a number of conystems, the control systems comprisnetwork software level. The independcontrollers comprise a virtual switch ace having a master component and re component where the master and components may be hosted on dift processors. The slave components be hosted on a control card that cona number of port cards of the switch a port card processor. The switch he independent controllers are resynized when discrepancies are detected en the connections on the switch and expected by the each of the plurality lependent controllers.



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